

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 6065 | 709/238   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/02/20<br>12:37 |
| S2    | 0    | ("10123996", "10209743",<br>"10356392", "10610304").<br>AP. | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/02/27<br>08:09 |
| S3    | 1    | ("10123996", "10209743",<br>"10356392", "10610304").<br>AP. | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/20<br>12:29 |
| S4    | 2    | ("7167472").PN.   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/02/20<br>12:41 |
| S5    | 29   | ("Missimer").IN.  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/02/20<br>12:42 |
| S6    | 1617 | ("Rai").IN.   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/02/20<br>12:42 |
| S7    | 1    | ("Rai, Aaditya").IN.  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/02/20<br>12:42 |

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| S8  | 34   | ("Rai, A").IN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/20<br>12:43 |
| S9  | 9533 | ("Shah").IN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/20<br>12:44 |
| S10 | 0    | ("Shah, Detan").IN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/20<br>12:44 |
| S11 | 56   | ("Shah, Ketan").IN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/20<br>12:44 |
| S12 | 7    | ("Roy, Subhojit").IN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/20<br>12:46 |
| S13 | 204  | ("Brocade Communication Systems").AS.                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/20<br>12:47 |
| S14 | 199  | fibre WITH channel WITH zoning   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/20<br>16:20 |
| S15 | 21   | (fibre WITH channel WITH zoning) SAME (device WITH name) SAME (hardware) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/20<br>16:23 |

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| S16 | 19    | ("20010028652"   "20020159468"   "20030095549"   "20060072454"   "4715030"   "4845722"   "5390188"   "5841972"   "6041058"   "6044400"   "6128298"   "6147976"   "6233236"   "6304903"   "6401128"   "6480488"   "6587463"   "6765919"   "6980525").PN.<br>OR ("7167472").UPRN. | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2007/02/20<br>16:36 |
| S17 | 28733 | (data WITH mirror\$3)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>09:15 |
| S18 | 4210  | (data! WITH mirroring!)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>09:33 |
| S19 | 1211  | (data! WITH mirroring!) AND SAN   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>09:34 |
| S20 | 1195  | (data! WITH mirroring!) AND SAN!  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>09:58 |
| S21 | 0     | ((data! WITH mirroring!) SAME SAN!) SAME (multiple!<br>ADJ targets!)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>10:00 |
| S22 | 2     | ((data! WITH mirroring!) SAME SAN!) AND (multiple!<br>ADJ targets!)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>10:01 |
| S23 | 123   | ((data! WITH mirroring!) SAME SAN!)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>11:09 |

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| S24 | 50    | ((disk! WITH mirroring!) SAME SAN!)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>11:10 |
| S25 | 34    | (US-20070028139-\$ or US-20070011424-\$ or US-20060253669-\$ or US-20060235901-\$ or US-20060218210-\$ or US-20060168397-\$ or US-20050165617-\$ or US-20050027892-\$ or US-20050021606-\$ or US-20040028043-\$ or US-20050243609-\$ or US-20050193179-\$ or US-20050076091-\$ or US-20040210677-\$ or US-20040260972-\$ or US-20040054758-\$ or US-20040143642-\$ or US-20040143639-\$ or US-20040139167-\$ or US-20040148376-\$ or US-20020156984-\$ or US-20020016827-\$ or US-20010044879-\$ or US-20040151174-\$).did. or (US-7165141-\$ or US-7089384-\$ or US-7085902-\$ or US-7120825-\$ or US-6618818-\$ or US-6442706-\$ or US-6324654-\$ or US-7167472-\$).did. or (US-20050177693-\$ or US-20050076091-\$).did. | US-PGPUB;<br>USPAT;<br>DERWENT  | AND | ON | 2007/02/26<br>12:23 |
| S26 | 12490 | fibre! WITH channel!  | US-PGPUB;<br>USPAT;<br>DERWENT  | AND | ON | 2007/02/26<br>12:32 |
| S27 | 375   | ((fibre! WITH channel!) AND (switched ADJ fabric))  | US-PGPUB;<br>USPAT;<br>DERWENT  | AND | ON | 2007/02/26<br>12:33 |
| S28 | 40    | ((fibre! WITH channel!) AND (switched ADJ fabric) AND ((disk! OR data!) WITH mirroring!))   | US-PGPUB;<br>USPAT;<br>DERWENT  | AND | ON | 2007/02/26<br>12:34 |
| S29 | 2     | (*6732243").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>16:15 |
| S30 | 9     | (*20010013076*   *20020099881*).PN. OR (*6732243").URPN.  | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2007/02/26<br>15:13 |

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| S31 | 2 | ("6219753").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>15:35 |
| S32 | 2 | ("6948044").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>15:51 |
| S33 | 2 | ("6948044").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>15:52 |
| S34 | 2 | ("6321298").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>16:04 |
| S35 | 2 | ("6732243").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>16:04 |
| S36 | 2 | ("7047358").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>16:05 |
| S37 | 9 | (mirroring SAME device)<br>SAME (multiple SAME blocks<br>SAME data) SAME (multiple<br>SAME targets)                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>16:13 |
| S38 | 1 | (mirroring SAME device)<br>SAME (multiple SAME blocks<br>SAME data) SAME (multiple<br>SAME targets) SAME write\$3<br>SAME amount! | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>16:14 |
| S39 | 2 | ("6880062").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>16:17 |

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| S40 | 2 | ("6880062").PN. OR ("077199").AP" | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>17:01 |
| S41 | 2 | ("7024527").PN.                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>16:20 |
| S42 | 0 | ("077199").AP"                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/26<br>17:02 |
| S43 | 0 | ("10077696").AP.                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/27<br>08:10 |
| S44 | 0 | ("10076855").AP.                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/27<br>08:10 |
| S45 | 0 | ("10076909").AP.                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/27<br>08:11 |
| S46 | 1 | ("10077482").AP.                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>13:46 |
| S47 | 0 | ("10077181").AP.                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/27<br>08:12 |
| S48 | 0 | ("10076906").AP.                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/27<br>08:12 |

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| S49 | 0    | ("10076878").AP.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/27<br>09:10 |
| S50 | 3020 | 711/202   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/02/27<br>09:10 |
| S51 | 3866 | (write ADJ request) AND half  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>13:47 |
| S52 | 344  | ((write ADJ request) SAME<br>half   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>13:47 |
| S53 | 214  | ((write ADJ request) SAME<br>half) AND @ad< "20030902"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>13:52 |
| S54 | 280  | ((write ADJ request) SAME<br>block SAME multiple) AND<br>@ad< "20030902"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>13:53 |
| S55 | 254  | ((write ADJ request) SAME<br>block SAME multiple) AND<br>(half OR reduce OR reduced<br>OR reduction OR (less ADJ<br>than) OR quarter OR portion)<br>AND @ad< "20030902"                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>14:04 |
| S56 | 189  | ((write ADJ request) SAME<br>block SAME multiple) AND<br>((half OR reduce OR reduced<br>OR reduction OR (less ADJ<br>than) OR quarter OR portion)<br>SAME write) AND<br>@ad< "20030902" | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>16:07 |

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| S57 | 12    | ((write NEAR2 request)<br>SAME block SAME multiple)<br>AND (((reduce OR reduced<br>OR reduction OR (less ADJ<br>than) OR portion) SAME<br>write) SAME (half or<br>quarter)) AND<br>@ad<"20030902" | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>16:47 |
| S58 | 1     | (((multiple NEAR2 blocks)<br>NEAR2 data) SAME half) AND<br>SAN AND @ad<"20030902"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>16:49 |
| S59 | 9     | (((multiple NEAR2 blocks)<br>NEAR2 data) SAME half) AND<br>@ad<"20030902"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>16:50 |
| S60 | 37613 | (quarter SAME half) AND<br>@ad<"20030902"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>16:51 |
| S61 | 3760  | (quarter SAME half) SAME<br>transmi\$5 AND<br>@ad<"20030902"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>16:51 |
| S62 | 70    | (((quarter SAME half) SAME<br>transmi\$5) SAME (write OR<br>read)) AND<br>@ad<"20030902"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>16:53 |
| S63 | 0     | (((quarter SAME half) SAME<br>(reduce) SAME transmi\$5)<br>SAME (write OR read)) AND<br>@ad<"20030902"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/17<br>16:52 |
| S64 | 68    | (((quarter SAME half) SAME<br>transmi\$5) SAME (write OR<br>read)) AND<br>@ad<"20030902"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO  | AND | ON | 2007/08/17<br>16:55 |
| S65 | 83    | ((quarter SAME transmi\$5)<br>SAME (write OR read)) AND<br>((half SAME transmi\$5)<br>SAME (write OR read)) AND<br>@ad<"20030902"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO  | AND | ON | 2007/08/17<br>17:13 |

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| S66 | 71   | ((quarter SAME transm\$5) SAME (write OR read)) AND (((half SAME transm\$5) SAME (write OR read)) AND redu\$6 AND (@ad<"20030902") | US-PGPUB; USPAT; FPRS; EPO                        | AND | ON | 2007/08/17<br>16:56 |
| S67 | 0    | DATA NEAR3mirroring  | US-PGPUB; USPAT; FPRS; EPO                        | AND | ON | 2007/08/17<br>17:13 |
| S68 | 2784 | DATA NEAR3 mirroring   | US-PGPUB; USPAT; FPRS; EPO                        | AND | ON | 2007/08/21<br>08:32 |
| S69 | 2121 | (DATA NEAP3 mirroring) AND transfe\$4  | US-PGPUB; USPAT; FPRS; EPO                        | AND | ON | 2007/08/21<br>08:36 |
| S70 | 1190 | (DATA NEAR3 mirroring) AND (transfe\$4 SAME writ \$4)  | US-PGPUB; USPAT; FPRS; EPO                        | AND | ON | 2007/08/21<br>08:36 |
| S71 | 315  | (DATA NEAR3 mirroring) AND (transfe\$4 SAME writ \$4) AND (half OR quarter)  | US-PGPUB; USPAT; FPRS; EPO                        | AND | ON | 2007/08/21<br>08:39 |
| S72 | 206  | (DATA NEAP3 mirroring) AND (transfe\$4 SAME writ \$4) AND (half OR quarter) AND (@ad<"20030902")                                   | US-PGPUB; USPAT; FPRS; EPO                        | AND | ON | 2007/08/21<br>09:41 |
| S73 | 1    | "5,799,141".PN.  | US-PGPUB; USPAT; FPRS; EPO                        | AND | ON | 2007/08/21<br>08:49 |
| S74 | 3    | (DATA NEAR3 mirroring) AND ((transfe\$4 SAME writ \$4) NEAR15 (half OR quarter)) AND (@ad<"20030902")                              | US-PGPUB; USPAT; FPRS; EPO                        | AND | ON | 2007/08/21<br>09:41 |
| S75 | 2078 | (data ADJ (mirror\$4 duplicating)) AND (@ad<"20030902" @rlad<"2003902")  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2008/08/28<br>12:46 |
| S76 | 773  | ((data ADJ (mirror\$4 duplicating)) AND (half quarter subset)) AND (@ad<"20030902" @rlad<"2003902")                                | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2008/08/28<br>12:49 |
| S77 | 204  | ((data ADJ (mirror\$4 duplicating)) AND (half quarter subset)) AND (write ADJ request)) AND (@ad<"20030902" @rlad<"2003902")       | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2008/08/28<br>12:51 |

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| S78 | 13   | ((data ADJ (mirror\$4 duplicating)) AND ((half quarter subset) SAME (write ADJ request))) AND (@ad<"20030902" @lad<"20030902")                                | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR  | ON | 2008/08/28 12:53 |
| S79 | 457  | ((data ADJ (mirror\$4 duplicating)) AND ((write ADJ request))) AND (@ad<"20030902" @lad<"20030902")   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR  | ON | 2008/08/28 13:06 |
| S80 | 170  | ((data ADJ (mirror\$4 duplicating)) AND ((number amount) SAME (write ADJ request))) AND (@ad<"20030902" @lad<"20030902")                                      | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR  | ON | 2008/08/28 13:13 |
| S81 | 109  | ((data ADJ (mirror\$4 duplicating)) AND ((new recursiv\$6 red\$4) SAME (write ADJ request))) AND (@ad<"20030902" @lad<"20030902")                             | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR  | ON | 2008/08/28 13:54 |
| S82 | 28   | ((write ADJ request) AND half).CLM.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/08/28 16:46 |
| S83 | 622  | ((data NEAR2 (mirror\$4 duplicat\$4)) AND ((reduc\$5 lower\$4 chang\$4) SAME ((write access) ADJ request))) AND (blocks) AND (@ad<"20030902" @lad<"20030902") | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR  | ON | 2008/12/05 13:03 |
| S84 | 571  | (((write access) NEAR2 request) SAME half) AND (@ad<"20030902")   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR  | ON | 2008/12/08 09:11 |
| S85 | 6342 | (((write access read) NEAR2 request) SAME (reduc\$5 small\$5 subset)) AND (@ad<"20030902")  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR  | ON | 2008/12/08 12:05 |
| S86 | 522  | (((write access read) ADJ request) SAME ((reduc\$5 small\$5 subset) NEAR2 request)) AND (@ad<"20030902")  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR  | ON | 2008/12/08 12:06 |

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| S87 | 1306 | ((data ADJ blocks) SAME half) AND @ad<"20030902"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/08 14:09 |
| S88 | 57   | ((data ADJ blocks) SAME half SAME request) AND @ad<"20030902"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/08 14:10 |
| S89 | 95   | (Paid ADJ Book:)  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR | ON | 2008/12/08 17:32 |
| S90 | 2138 | (cluster SAME mirror\$4)  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR | ON | 2008/12/08 18:05 |
| S91 | 52   | (cluster SAME mirror\$4) SAME half  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR | ON | 2008/12/08 18:06 |
| S92 | 22   | ((cluster AND (mirror\$4 NEAR2 data)) AND ((half subset partial) NEAR3 (block NEAR2 data)))   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR | ON | 2008/12/09 08:29 |
| S93 | 81   | (((half subset partial) NEAR3 (block NEAR2 data)) SAME request) AND @ad<"20030902"  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR | ON | 2008/12/09 08:40 |
| S94 | 131  | (((half subset partial reduc \$4) NEAR3 (block NEAR2 data)) SAME request) AND @ad<"20030902"  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR | ON | 2008/12/09 08:42 |
| S95 | 23   | (*4103328"   "4246637"   "4268906"   "4602331"   "4802152"   "4805090"   "4825357"   "4864532"   "4897840"   "4905184"   "5016121"   "5058004"   "5121492"   "5150465"   "5159336"   "5187615"   "5193168"   "5261072"   "5266781"   "5293590"   "5307471"   "5313612"   "5313617").PN. | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2008/12/09 09:34 |

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| S96  | 54     | ("5661848").URPN.  | USPAT   | OR | ON | 2008/12/09<br>09:57 |
| S97  | 1127   | ((half subset partial reduc\$4) SAME (block NEAR2 data)) SAME request) AND @ad<"20030902"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>10:02 |
| S98  | 996    | S97 NOT S94  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>10:02 |
| S99  | 47699  | SAN AND mirror\$4  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>10:03 |
| S100 | 75     | S98 AND S99  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>10:03 |
| S101 | 140268 | storage AND mirror\$4  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>10:04 |
| S102 | 169    | S98 AND S101   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>10:05 |
| S103 | 1057   | ((half subset partial reduc\$4) NEAR3 (block NEAR2 data)) AND request) AND @ad<"20030902"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>10:16 |
| S104 | 926    | S103 NOT S94   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>10:16 |
| S105 | 531    | ((half subset partial reduc\$4) NEAR3 (block NEAR2 data)) AND ((request\$5 SAME (subset partial reduc\$4 half) SAME data))) AND @ad<"20030902" | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>12:57 |

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| S106 | 28  | ((receiv\$5) SAME ((half subset partial reduc\$4) NEAR3 (block NEAR2 data) SAME (write access)) AND ((request\$5 SAME (subset partial reduc\$4 half) SAME data))) AND @ad<"20030902"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 13:33 |
| S107 | 879 | ((receiv\$5) SAME ((half subset partial reduc\$4) NEAR3 (data) SAME (write access)) AND ((request\$5 SAME (subset partial reduc\$4 half) SAME data))) AND @ad<"20030902"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 13:43 |
| S108 | 63  | ((receiv\$5) SAME ((half subset partial reduc\$4) NEAR3 (data) SAME (write access)) AND ((request\$5 SAME (subset partial reduc\$4 half) SAME data))) AND (storage SAME (raid mirror \$4)) AND @ad<"20030902"                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 13:44 |
| S109 | 3   | "20020083185"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 14:34 |
| S110 | 196 | ((data ADJ2 transfer) SAME reply SAME (available allow \$5)) AND @ad<"20030902"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 14:58 |
| S111 | 965 | ((data ADJ2 transfer) SAME (write access) SAME (data NEAR1 block) SAME (sufficient insufficient portion partial reduc\$5 allowable number accommodate limit (threshold)) AND @ad<"20030902"                                     | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 16:10 |
| S112 | 127 | ((data ADJ2 transfer) SAME (write access) SAME (data NEAR1 block) SAME (sufficient insufficient portion partial reduc\$5 allowable number accommodate limit (threshold)) AND (storage SAME (mirror\$4 raid)) AND @ad<"20030902" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 16:12 |

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| S113 | 167   | ((data ADJ2 transfer) SAME (write access) SAME ((data NEAR1 block) message) SAME (sufficient insufficient portion partial reduc\$5 allowable number accommodate limit threshold)) AND (storage SAME (mirror\$4 raid)) AND (@ad< "20030902" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 16:56 |
| S114 | 25801 | ((transmit\$4 write\$4 transfer \$4) NEAR3 block NEAR2 data) AND @ad< "20030902"   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 17:31 |
| S115 | 874   | ((transmit\$4 write\$4 transfer \$4) NEAR3 block NEAR2 data) AND (storage SAME mirror\$4) AND @ad< "20030902"  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 17:31 |
| S116 | 3     | ((transmit\$4 write\$4 transfer \$4) NEAR3 (half subset) NEAR3 (block NEAR2 data)) AND (storage SAME mirror \$4) AND @ad< "20030902"   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/09 17:41 |
| S117 | 2661  | ((transmit transfer send) SAME (response request write) SAME ((block NEAR2 data) message) AND ((mirror \$4 raid) SAME storage)) AND @ad< "20030902"  | US-POPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 08:14 |
| S118 | 908   | ((transmit transfer send) SAME (response request write) SAME ((block NEAR2 data)) AND (number allow\$5 amount limit threshold) AND ((mirror\$4 raid) SAME storage)) AND @ad< "20030902"  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 08:16 |
| S119 | 394   | ((transmit transfer send) SAME (response request write) SAME ((block NEAR2 data)) SAME (number allow \$5 amount limit threshold) AND ((mirror\$4 raid) SAME storage) AND @ad< "20030902"   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 08:17 |

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| S120 | 230  | ((transmit transfer send write) SAME ((block NEAP2 data)) SAME ((number allow \$5 amount limit threshold) NEAP4 block)) AND ((mirror \$4 raid) SAME storage) AND @ad<"20030902" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 08:32 |
| S121 | 784  | ((transmit transfer send write) SAME half SAME (block NEAP2 data)) AND @ad<"20030902"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 10:08 |
| S122 | 38   | ((transmit transfer send write) SAME half SAME (block NEAP2 data)) AND (storage SAME (mirror\$5 raid)) AND @ad<"20030902"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 10:09 |
| S123 | 1    | (((transmit transfer send write) NEAP3 half) SAME (block NEAP2 data)) AND (storage SAME (mirror\$5 raid)) AND @ad<"20030902"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 10:10 |
| S124 | 16   | (((transmit transfer send write) NEAP3 half) NEAP3 (block NEAP2 data)) AND (storage) AND @ad<"20030902"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 10:11 |
| S125 | 23   | (((transmit transfer send write) NEAP3 half) NEAP3 (block NEAP2 data)) AND @ad<"20030902"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 10:18 |
| S126 | 21   | (((transmit transfer send write) NEAP3 half) NEAR3 (blocks!)) AND @ad<"20030902"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 10:21 |
| S127 | 57   | (((transmit transfer send write) NEAP3 half) NEAR3 (message)) AND @ad<"20030902"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/10 10:49 |
| S128 | 8529 | 709/238   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR | ON | 2008/12/10 12:43 |

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| S129 | 9372 | 709/238   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/25<br>16:15 |
| S130 | 2192 | ((data NEAR3 mirror\$5)<br>SAME (transfe\$4 writ\$4))<br>AND @ad<"20030902"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>12:21 |
| S131 | 131  | ((data NEAR3 mirror\$5)<br>SAME (transfe\$4 writ\$4)<br>SAME parallel) AND<br>@ad<"20030902"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>13:09 |
| S132 | 647  | ((data NEAR3 transfer\$5)<br>SAME ((writ\$4) NEAR3 (size<br>limit))) AND<br>@ad<"20030902"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:11 |
| S133 | 192  | ((data NEAR3 transfer\$5)<br>NEAR5 ((writ\$4) NEAR3 (size<br>limit))) AND<br>@ad<"20030902"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:31 |
| S134 | 3    | ((reduc\$6 restrict\$4) SAME<br>((data NEAR3 transfer\$5)<br>NEAR5 ((writ\$4) NEAR3 (size<br>limit)))) AND<br>@ad<"20030902"            | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>15:20 |
| S135 | 13   | ((reduc\$6 restrict\$4 limit\$4)<br>NEAR5 ((data NEAR3 transfer<br>\$5) NEAR5 ((writ\$4) NEAR3<br>(size limit)))) AND<br>@ad<"20030902" | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>15:23 |
| S136 | 441  | (new NEAP2 write NEAP2<br>request) AND<br>@ad<"20030902"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>16:38 |
| S137 | 3    | (transmit\$4 NEAP2 new<br>NEAP2 write NEAP2 request)<br>AND @ad<"20030902"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>16:38 |
| S138 | 15   | (transmit\$4 NEAP2 (second<br>subsequent) NEAP2 write<br>NEAP2 request) AND<br>@ad<"20030902"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>16:40 |

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| S139 | 711  | ((second subsequent) NEAR2 write NEAR2 request) AND @ad<"20030902"  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/10 16:47 |
| S140 | 36   | (((second subsequent) NEAR2 write NEAR2 request) SAME (fail\$6 reject\$4 NAK! limit\$5)) AND @ad<"20030902"       | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/10 17:27 |
| S141 | 43   | (((second subsequent) NEAR2 write NEAR2 request) SAME (half reduc\$6 subset sub-set limit\$5)) AND @ad<"20030902" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/10 17:43 |
| S147 | 3681 | ((IO! I/O!) SAME half) AND @ad<"20030902"   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/11 10:46 |
| S148 | 68   | ((IO! I/O!) SAME half SAME quarter) AND @ad<"20030902"  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/11 10:47 |
| S149 | 36   | ((IO! I/O!) SAME ((half quarter) NEAR5 request)) AND @ad<"20030902"   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/11 10:48 |

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